

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001442**Date Inspected:** 11-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 5CE,OBG 2AW,Cross Beam,OBG 3AW**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Miscellaneous Metal

Blast shop #2 splice plate base metal surfaces were abrasive blasted to SSPC SP-10 condition and Interzinc 22 applied.

Galvanized Test Panels

Adhesion testing was performed over test panels previously galvanized and coated with HS 200 and Interfine 979 all testing exceeded specified minimum value of 5.0 Mpa over SP-1 and SP-10 base metal prepared areas.

OBG 3AW/3BW

External weld seam sides and bottom base metal surfaces were abrasive blasted to SSPC SP-10 condition. Top deck surface temperature exceeded maximum value specified, and ABF QA Bill Oak did not permit Interzinc 22 to the area. All other surfaces were coated with Interzinc 22. After feathering of the edges.

OBG 2AW

Adhesion testing was performed on internal Interzinc 22 coated surfaces and the following values were observed.

1) 7.08Mpa 2) 4.84Mpa 3) 8.43Mpa 4)6.28Mpa 5) 8.43Mpa 6)3.62Mpa.

Retest location #6 and affix 2 dollies to adjacent area.

Counterweights

Two Counterweight assemblies coated with Interzinc 22 were tested for chlorides, pencil hardness,quarter rub and MEK rub all testing was within specification criteria and adhesion dollies were affixed to the coated surfaces.

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

OBG 5CE

Base metal faying surfaces were abrasive blasted to SSPC SP-10 condition and Interzinc 22 applied in the upper corner unit area.

Cross Beam Bottom Plate BP028A-001

Base metal surfaces were abrasive blasted to SSPC SP-10 condition and Interzinc 22 applied.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley, International Protective Coatings technical service representative Peng ZiLi was also present.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley, James
----------------------	---------------

Quality Assurance Inspector

Reviewed By:	Carreon, Albert
---------------------	-----------------

QA Reviewer
